Report on Basic Demographic Information and Results of Twelve Month Follow-up Procedure for Adults Completing Community-Based Treatment Programs

Presented to: Division of Alcohol and Drug Abuse State of South Dakota

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A summary of the basic findings for community-based programs for adults is presented in this section.

- ♦ The abstinence rate for those (n = 2051) in the 12-month follow-up survey was 46.7 percent. Considering the fact that many (73.0%) people were forced into treatment by court mandates, the abstinent rate was very good.
- ♦ Clients completing treatment (and were abstinent during follow-up) were hospitalized 4.6 times less after treatment than they were before, and the number of days hospitalized was 3.4 times less during the post-treatment time.
- ♦ Overall, there were more than **twice** as many ER visits before treatment as there were after treatment.
- ♦ Before treatment about one-third of the clients were unemployed, but one year post-treatment only 9.2 percent of all persons completing treatment were unemployed. For those who were abstinent during the follow-up period, the unemployment rate was only 7.7 percent. The benefit of the improved employment opportunities to the individuals and society was substantial.
- ♦ Before treatment those working were absent 3.5 days in the past 30 days. After treatment the number of days absent in the past 30 days was only 1.2 days for all clients (0.8 days for those abstinent), resulting in a 65.7 percent improvement for all completing treatment and a 77.1 percent improvement for those abstinent.
- ♦ There was a substantial reduction (70.8%) for all clients, 75.0% for those abstinent) in the number of vehicle accidents between pre- and post-treatment time periods.
- ♦ In the year prior to treatment more than three-fourths of the clients had been arrested, but this was reduced to only 19.1 percent (8.4% for those abstinent) for the year following treatment.
- ◆ There was a considerable reduction (73.6% for all

- clients, 88.7% for those abstinent) in those jailed overnight between pre- and post-treatment assessments.
- ♦ Overall, there were **5.4 times (14.1 for those abstinent)** more arrests before treatment than there were after treatment.
- ♦ Before treatment 3.10 percent of the clients indicated that they were homeless, but after treatment only 1.28 percent of the survey respondents mentioned that they had no home, resulting in a 58.7 percent improvement.

Factors Related to Success

- ♦ Clients working full-time were more likely to remain substance free.
- ♦ Clients completing treatment (substance free or not) had fewer problems with: their boss or supervisor, getting their job done, making mistakes at work, missing work, or being late than they did before entering treatment.
- ♦ Clients who never married were more likely to have used substances than were married persons.
- ♦ Clients who attended AA or NA were much more likely to remain substance free than were those who stopped attending.
- ♦ Clients who attended aftercare were much more likely to remain substance free than were those who stopped attending.
- ♦ Clients who were substance free had fewer problems during the follow-up period with boredom, stress, and loneliness.
- ♦ Clients using substances were more likely to have had periods of 2 weeks or more in which they felt depressed.
- ♦ Clients using substances were more likely to be around others using alcohol or drugs, and craved alcohol and drugs.
- ◆ Clients who rated the treatment programs highly were

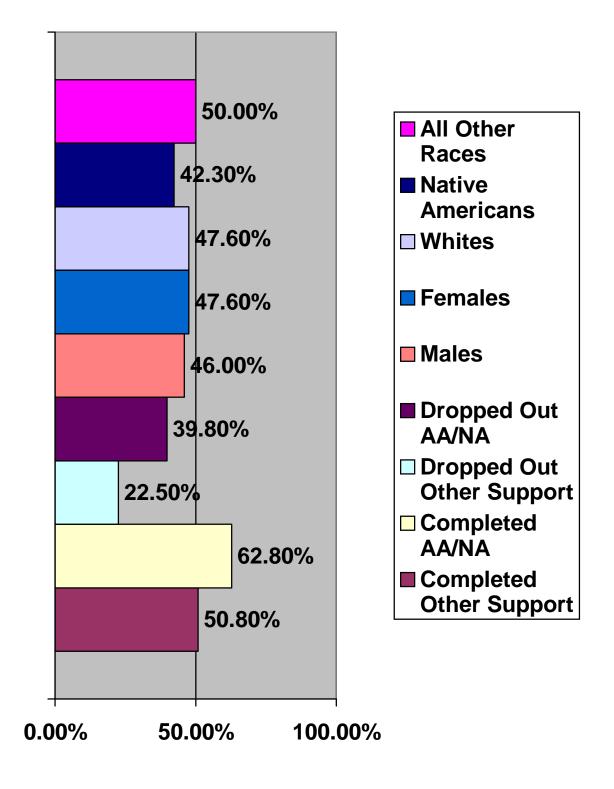
much more likely to be substance free.

- ♦ Clients who were substance free had fewer problems with marital or 'significant other' relationships, family problems, and financial problems during the follow-up period.
- ♦ Clients who were substance free were much less likely to be arrested or incarcerated.
- ♦ Clients who were substance free were less likely to be hospitalized during follow-up.
- ♦ Clients who had frequent visits to hospitals and ER's during the <u>year preceding treatment</u> were more likely to use substances during follow-up than were those with fewer visits.
- ♦ Clients who had been treated for depression before treatment were more likely to use substances during follow-up than were those who had not been treated for depression.
- ♦ Clients having 'the shakes' after cutting down were more likely to use substances during follow-up than were those not experiencing shakes.
- ♦ Clients using drugs or alcohol to relieve a hangover were more likely to use substances during follow-up.
- ♦ Clients needing drugs or alcohol just to keep going were more likely to use substances during follow-up than were those not needing substances to keep going.
- ♦ Clients who missed work in the year previous to treatment programs because of substance use were more likely to use alcohol or drugs during follow-up than were those not missing work.
- ♦ Clients who lived with parents, spouses, and children were more likely to be substance free during the follow-up period than were those living alone, with roommates, or homeless.
- ♦ Those who had experienced withdrawal symptoms before

treatment were more likely to use substances during follow-up than were those not previously experiencing withdrawal symptoms.

- ♦ Clients who reported suicide attempts on the History Form more likely to use substances during follow-up than were those not reporting suicide attempts.
- ♦ Clients who reported on the History forms that they had used so much that the next day they could not remember what they said or did because of alcohol or drug use were more likely to use substances during follow-up.
- ♦ Clients who had been on binges and stayed high for two or more days were more likely to use substances during follow-up than those who did not report binges for two or more days.
- ♦ Clients who had neglected their children because of alcohol or drugs were more likely to use substances during follow-up.
- ♦ Clients who had a history of violent behavior were more likely to use alcohol or drugs.
- ♦ Clients who had reported doing anything unusual, totally out of character, while drinking or using drugs, were more likely to use substances.

Abstinence Rates: Various Groups



Demographic Information (From Intake Form)

Ethic Origin

Information for this section of the report was obtained from the MPR Adult Intake forms that were adapted and used by permission of New Standards, Inc. The information used in this section of the report was obtained for persons completing treatment programs between April 1998 and November 2006. Information from the Intake, History, and Discharge forms were available for 8008 persons. The only two ethnic groups with notable numbers were White (66.9%) and Native American (25.6%), representing 92.5 percent of the total.

Ethnicity	Number of Cases	Percent
Asian	35	0.4%
Black	115	1.5%
Hispanic	134	1.7%
Native American	2030	25.6%
White	5295	66.9%
Biracial	268	3.4%
Other	38	0.5%
Total	7915	

Marital Status

Never Married (53.7%) and divorced (23.3%) were the most frequently mentioned categories of marital status.

Marital Status	Number of Cases	Percent
Never Married	4214	53.7%
Divorced	1830	23.3%
Separated	509	6.5%
Widowed	119	1.5%
Married	1181	15.0%
Total	7853	

Education Attainment

High school diploma/GED was the most frequently mentioned category (66.0%) for educational attainment, followed by no diploma earned (15.7%), vocational/technical school (10.8%), and associate's degree (3.7%).

Highest Degree Earned	Number of Cases	Percent
No Degree or Diploma Earned	1165	15.7%
High school diploma/GED	4909	66.0%
Vocational/technical school	803	10.8%
Associate's Degree	275	3.7%
Bachelor's Degree	248	3.3%
Master's Degree	26	0.3%
M.D./J.D./Doctorate	13	0.2%
Total	7439	

Current Employment Status

At entry into the treatment programs, more than one-half were employed either part- or full-time. The most common employment status was unemployed (39.2%).

Employment Status	Number of Cases	Percent
Full-time employment	3032	38.6%
Part-time employment	950	12.1%
Unemployed	3093	39.3%
Retired	70	0.9%
Disabled	343	4.4%
Homemaker	178	2.3%
Student	198	2.5%
Total	7864	

Financial Assistance

Some of the clients were receiving Disability Compensation (5.9%) or Welfare (4.5%), and a few (0.8%) were receiving both at intake into the treatment programs.

Financial Assistance	Number of Cases	Percent Yes
Receiving Disability Compensation	7842	5.9%
Receiving Welfare	7791	4.5%

Treatment Payment

Most (60.5%) of the clients were financed exclusively by the Division of Alcohol and Drug Abuse as indicated in the 'Other' category. Self-pay (27.7%) and Medicaid (8.5%) were the other most frequent types of payment. The percents do not equal 100 percent, because there are multiple payment sources for some people.

Payment Type	Number of Cases	Percent
Medicare	171	2.4%
Medicaid	615	8.5%
Blue Cross/Blue Shield	174	2.4%
Private/group insurance	278	3.8%
НМО	33	0.5%
Self-pay	2010	27.7%
Other	4383	60.5%
Total	7664	

Referral Source

The Court (59.9%) was the most frequent referral source. Other common referral sources were Self (26.1%), Other (15.4%), and Family (11.5%). Since there were multiple referral sources, the sum of the percents was more than 100.

Referral Source	Number of Cases	Percent Checking Category
Court	4361	59.9%
Detox Center	633	8.1%
Employer/EAP	64	0.8%
Family	897	11.5%
Friends	460	5.9%
Mental health worker	352	4.5%
Physician	188	2.4%
School	35	0.4%
Self	2036	26.1%
Social worker	608	7.8%
Other	1202	15.4%

Reasons for Entering Treatment

It is obvious that these particular clients entered treatment for reasons external to themselves, based on responses to referral sources and reasons for program entry. DWI or DUI (41.2%) arrests were the most frequent reasons for entering treatment, followed by Other Court Action (34.7%) and In Lieu of Incarceration (9.8%). Since persons could make multiple responses and not everyone responded to the questions, the sum of the percents does not equal 100.

Reasons	Number of Cases	Percent Yes
DWI or DUI arrest	3147	41.2%
Other court action	2640	34.7%
In lieu of incarceration	743	9.8%
Ultimatum from employer	110	1.5%

Ultimatum from spouse/mate 308 4.1%

Most Recent Chemicals Used (From Intake Form)

Upon admission to the treatment programs, it was found that the most common drugs used were alcohol, marijuana, and cocaine. Nearly all (97.7%) had used alcohol and 67.6 percent had used marijuana at some time.

Substance	Within 24 Hours	Within 2-7 Days	Within 8-30 Days	Over a Month Ago	Never Used
Alcohol	249(3.3%)	1245(16.4%)	2068(27.3%)	3836(50.7%)	172(2.3%)
Marijuana	162(2.2%)	487(6.5%)	906(12.1%)	3515(46.8%)	2433(32.4%)
Cocaine	10(0.1%)	42(0.7%)	181(2.4%)	2336(31.4%)	4864(65.4%)
Stimulants	64(0.9%)	95(1.3%)	225(3.4%)	1789(24.1%)	5233(70.3%)
Sedatives	45(0.6%)	32(0.4%)	73(1.0%)	895(12.1%)	6382(85.9%)
Opiates	17(0.2%)	24(0.3%)	59(0.8%)	826(11.8%)	6447(86.9%)
Tranquilizers	30(0.4%)	24(0.3%)	48(0.6%)	726(9.8%)	6596(88.8%)
Hallucinogens	3(0.0%)	11(0.1%)	46(0.6%)	1645(22.1%)	5722(77.0%)
Painkillers	92(1.2%)	81(1.1%)	163(2.2%)	1303(17.6%)	5781(77.9%)
Other	68(0.9%)	23(0.3%)	75(1.0%)	592(8.1%)	6556(89.6%)

Demographic Information From Adult History Form

Work Outside Home

Most (55.3%) of the clients were working either part- or full-time, but a large minority was unemployed at the time of entry into the treatment programs.

Work Outside Home	Number of Cases	Percent
Yes, Full-time	3242	41.1%
Yes, Part-time	1116	14.2%
No, By choice	377	4.8%
No, unemployed	3151	40.0%
Total	7886	

Personal Income Last Year

Considering the relatively high number of unemployed persons, it was not surprising that most (56.1%) of those in the treatment programs had personal incomes of less than \$10,000 per year. Very few reported making more than \$30,000 per year.

Personal Income Categories	Number of Cases	Percent
Less than \$10,000	4331	56.1%
\$10,001 to \$20,000	1951	25.3%
\$20,001 to \$30,000	588	7.6%
\$30,001 to \$50,000	208	2.7%
Over \$50,000	46	0.6%
Don't want to say	592	7.7%
Total	7716	

Family Income Last Year

As would be expected, family income levels were higher than personal income levels, but these income amounts were quite modest with only 8.7 percent reporting family incomes over \$30,000.

Family Income Categories	Number of Cases	Percent
Less than \$10,000	2876	38.9
\$10,001 to \$20,000	1827	24.7
\$20,001 to \$30,000	792	10.7
\$30,001 to \$50,000	416	5.6
Over \$50,000	230	3.1
Don't want to say	1253	16.9
Total	7394	

Where Do You Live?

Most (84.3%) people reported that they were currently living in a 'City' or a 'Town' with 15.7% indicating that they currently lived in a 'Rural Area.'

Place of Residents	City	Town	Rural Area
Where do you live now?	49.1%	35.2%	15.7%
Where have you lived most your life?	46.7%	33.8%	19.5%

Problem Areas

The clients were asked a series of questions about personal or family problems or situations. Most (58.0%) clients had been in treatment programs before, and nearly one-half (45.3%) had encountered problems with family members drinking. Other prominent problem areas were: treated for depression (28.6%), problems with family members using drugs (23.6%), hit hard before age 18 (22.7%), and physically abused or beat up after age 18 (23.1%).

Problem Areas	Number of Cases	Percent Yes
Have you been in treatment before?	7838	58.0%
Did drinking by any family member cause problems?	7849	45.3%
Did drug use by any family member cause problems?	7809	23.6%
Before 18, were you hit so hard that you had marks?	7864	22.7%
Since 18, were you hit so hard that you had marks?	7846	23.1%
Before 18, were you forced to have sex?	7850	18.8%
Since 18, were you forced to have sex?	7847	11.3%
Have you ever been treated for depression?	7850	28.6%
Have you ever been treated for any other emotional disorders?	7785	16.1%
Have you ever tried to commit suicide?	7726	20.5%
Have you ever starved yourself for more than 3 months?	7854	4.9%
Have you ever binged and vomited for over 3 months?	7790	3.8%
Did you have a hard time learning when growing up?	7720	16.0%

Additional Problem Areas Before You Were 15 Years Old

Two major problem areas encountered by the clients before age 15 were stealing (36.6%) and starting fights (30.9%).

Problem Area	Number Cases	Percent Yes
Skip school more than 10 times?	7185	27.1%
Get suspended or expelled from school?	7166	28.4%
Get Arrested?	7146	22.8%
Run away from home overnight more than once?	7158	22.9%
Vandalize or destroy property?	7145	21.7%
Steal?	7144	36.4%
Have sex with more than one person?	7151	23.5%
Start physical fights?	7154	30.5%

Questions on Spirituality

Most (62.9%) of the clients participated in prayer or meditation on a regular basis (at least monthly), with about one-half (48.6%) praying or meditating at least weekly.

How often do you meditate or pray?

Pray or Meditate	Number of Cases	Percent
Never	1810	23.1%
Less than once a month	1098	14.0%
Several times a month	1117	14.3%
Every week	1083	13.8%
Every day	2725	34.8%
Total	7833	

This group of clients was not highly involved in organized religious services, since 41.5% never attended religious services, and many attended services less than once a month.

How often do you attend religious services of any kind?

Religious Services Attendance	Number of cases	Percent
Never	3229	41.5%
Less than once a month	2609	33.5%
Several times a month	858	11.0%
Every week	1011	13.0%
Every day	80	1.0%
Total	7787	

Outcome Factors Assessed

The basic outcome factors are assessed and reported for persons who completed one-year follow-up forms. One year follow-up information was available on 2051 persons. Persons are contacted by phone (or mail in a few cases) at 12 months post-treatment. The one-year period following treatment was the focal point because much of the comparative data between the History Form and Follow-up Form were based on information or performances in the past year.

The key outcome factors assessed in this report are: aftercare, working/not working, months employed in past year, work problems, days absent from work, working under the influence of alcohol or drugs, substance use in the past 12 months, times hospitalized, days hospitalized, emergency room visits, doctor office visits, accidents, homeliness, arrests in past year, offenses committed, and time in jail.

Aftercare During Follow-up

Of those surveyed with the follow-up instrument, most (59.4%) received some aftercare, about two-thirds (67.3%) attended AA/NA, and a few (11.1%) attended other support groups. Those abstinent attended each of these programs at a higher rate than did those who used substances, indicating the importance of aftercare services for those who are successful.

Program	Percent Attending- All Clients	Percent Attending- Abstinent Clients	Percent Attending- Substance Users
Aftercare	59.4%	68.9%	51.0%
AA/NA	67.3%	75.5%	60.3%
Other Support	11.1%	11.3%	10.9%

Working/Not Working: Comparison Between Before and After Treatment

Before treatment started, 35.0 percent of the clients in the follow-up study were unemployed. Following treatment, 9.2 percent of all persons in the follow-up study were unemployed and only 7.7 percent of those who were abstinent were unemployed. Nearly three-fourths (69.8%) of those abstinent were working full-time, compared to 45.7 percent full-time employment for all persons in this outcome survey before starting treatment. The positive economic impact for the clients and society of these employment findings is very significant.

Working	History Form Percent Yes	Follow-up Form Percent Yes
Yes, Full-Time	45.7%	66.0% (69.8%)
Yes, Part-Time	14.3%	15.9% (13.8%)
No, By Choice	5.1%	8.9% (8.7%)
No, Unemployed	35.0%	9.2% (7.7%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Months Employed: Pre- and Post-Treatment Results

There was a significant improvement in the number of months worked full-time between the pre- and post-treatment measures. Before treatment, those working averaged 6.3 months full-time employment in the previous 12 months. One year after treatment, the same clients averaged 7.1 months worked in the past 12 months for all persons and 7.9 months for those abstinent.

Months Employed	History Form Pre-Test	Follow-up Form Post-Test
Months, Full-Time	6.3	7.1 (7.9)
Months, Part-Time	1.9	1.6 (1.5)
Months, Not Worked	3.9	3.2 (2.7)

The number in parentheses () refers to persons who were

abstinent during the follow-up period.

Problems at Work: Pre- and Post-test Results

Clients were asked identical questions before treatment started and 12 months following treatment with respect to problems at work, during the past 12 months. In every situation but injuries, there were fewer work problems after treatment than before. After treatment, the clients had fewer problems with missing work, getting work done, making mistakes, being late for work, and problems with supervisors. The improvement between the before and after treatment measures was outstanding. The results below were based on the pre- and post-test treatment results for persons who had both history and 12-month follow-up information.

Those who were abstinent had superior results in each 'work problems' area listed in the table below. The percents listed in the parenthesis () in the last columns refers to the rates of those who were abstinent during the follow-up period.

Work Problems	History Form Percent Yes	Follow-up Form Percent Yes	Percent Improvement
With supervisor or boss?	15.9%	10.4% (6.2%)	34.6% (61.0%)
Getting your job done?	6.8%	4.5% (2.3%)	33.8% (66.2%)
Missing work?	26.9%	10.7% (3.6%)	60.2% (83.3%)
Being late?	23.9%	10.3% (5.2%)	56.9% (78.2%)
Getting injured?	6.7%	8.4% (6.0%)	-25.4% (10.4%)
Making mistakes?	13.9%	5.8% (3.4%)	58.3% (75.5%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Days Absent From Work in Past Months: Pre- and Post-Treatment Results

There was a significant reduction in the number of days absent from work between 'before' treatment and 'after' treatment. Before treatment, there was an average of 3.5 days of missed work in the past month. After treatment, the average was reduced to 1.2 days for all completing treatment and 0.8 days for those who were abstinent. The rate of improvement between pre and post-treatment measures was very high, indicating the ability of the treatment programs to make positive changes in the lives of individuals.

Days Absent From Work Past Month	History Form Pre-Test	Follow-up Form Post-Test	Percent Improvement
Days Absent	3.5	1.2 (0.8)	65.7% (77.1%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Drug and Alcohol Influence at Work: Pre- and Post-test Results

After leaving treatment, clients were not likely to use alcohol or drugs while working. There was a dramatic reduction between pre- and post-treatment measures of substance use at work. Before entering treatment, over one-half of the clients were under the influence of alcohol/drugs daily while working, but after treatment only 1.4 percent reported daily influences of substances while working.

Under the Influence of Alcohol or Drugs while Working?	History Form Pre-Test	Follow-up Form Post-Test
Never	9.8%	94.4%
Less than once per month	13.6%	2.4%
1 to 3 times per month	10.9%	1.0%
1 to 3 times per week	14.1%	0.8%
Almost every day	51.6%	1.4%

Substance Use 12 Months After Completing Treatment

The overall abstinence rate for any substance use for this group of persons in the outcome study was a very respectable 46.7 percent after 12-months post-treatment. Alcohol and marijuana were the most popular substances used. An increase in the use of stimulants was noted.

Substance Use	Number of Cases	Percent Using
Alcohol	2208	52.1%
Marijuana	2184	12.0%
Cocaine	2182	2.0%
Stimulants-Meth	2188	4.3%
Sedatives	2184	2.3%
Opiates/heroin	2184	0.6%
Tranquilizers	2187	1.7%
Hallucinogens	2183	0.5%
Painkillers	2186	3.9%
Other	2183	0.7%

Hospitalization: Pre- and Post-Treatment Comparisons

In nearly every category the clients had more times and days in the hospital the year before treatment than they did in the 12 months following treatment. Those completing treatment were hospitalized 2.9 times less (4.6 for those who were abstinent) after treatment than they were before, and the number of days hospitalized was 1.9 times (3.4 for those who were abstinent) less during the post-treatment time. The mean average for those who were abstinent can be identified in the parenthesis (). Although all who completed treatment had improvements in outcomes between pre- and post-treatment measures, the abstinent groups had superior results.

Reason for Hospitalization	Before Times* Hospitalized	After Times# Hospitalized	Before Days* Hospitalized	After Days# Hospitalized
Illness, injury or surgery	.36	.15 (.13)	.97	.59 (.62)
Detoxification	.22	.05 (.00)	.73	.22 (.01)
Psychiatric care	.11	.03 (.01)	.63	.40 (.03)
Pregnancy or childbirth	.07	.04 (.04)	.09	.08 (.10)
Any other reason	.07	.02 (.00)	.16	.10 (.00)
Total	.83	.29 (.18)	2.58	1.39 (.76)

^{*}Before refers to 12 months preceding the treatment program.

#After means the 12-month period following treatment.

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Emergency Room and Office Visits: Pre- and Post-Treatment Comparisons

In all categories, except Pregnancy or Childbirth for Medical Office visits, the clients had more office visits the year before treatment than they did the 12 months following treatment. Overall, there were 2.1 (3.6 for those who were abstinent) times as many ER visits before treatment than there were after treatment. There were less overall differences in Office Visits between before and after treatment visits. This is not surprising since Office Visits may represent preventive medicine efforts as much as medical difficulties. There were significantly fewer Office Visits for psychiatric care 12 months after treatment than there was 12 months prior to treatment.

Emergency Room or Office Visits	Before ER Visits*	After ER Visits#	Before Office Visits*	After Office Visits#
Illness, injury or surgery	.47	.25 (.16)	1.07	.87 (.68)
Psychiatric care	.08	.03 (.01)	.43	.24 (.18)
Pregnancy or childbirth	.05	.02 (.02)	.20	.28 (.34)
Routine examination	NA	NA	.81	.66 (.72)
Any other reason	.15	.05 (.02)	.38	.13 (.08)
Total	.75	.35 (.21)	2.89	2.18 (2.00)

^{*}Before refers to 12 months preceding the treatment program.

#After means the 12-month period following treatment.

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Homeless

Before treatment 3.10 percent of the clients indicated that they were homeless, but after treatment only 1.28 percent of the survey respondents mentioned that they had no home. This results in a 58.7 percent improvement or 2.42 time fewer homeless clients

after treatment.

Accidents Past 12 Months: Pre- and Post-Treatment Results

There was a significant reduction (70.8% improvement overall) in the number of reported accidents as drivers between the pre- and post-treatment measures.

Accidents in the Past Year	History Form Pre-Test	Follow-up Form Post-Test	Percent Improvement
Number of Accidents	.24	.07 (.06)	70.8% (75.0%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Arrested in the Past Year: Pre- and Post-test Results

There was a substantial reduction between pre- and post-treatment measures of those Arrested in Past Year. Before entering treatment, more than three-fourths had been arrested in the past year, but the arrest rates declined to only 19.1 percent and 8.4 percent for all completing treatment and those abstinent, respectively.

Arrested in Past Year	History Form Percent Yes	Follow-up Form Percent Yes	Percent Improvement
Arrested	75.6%	19.1% (8.4%)	74.7% (88.9%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Times Arrested in the Past Year: Pre- and Post-test Results

In every offense category the clients had more arrests 12 months before treatment than they did in the 12 months following treatment. There were 5.4 (14.1 for those who were abstinent) times fewer arrests during the follow-up period compared to 12 months prior to treatment.

Offense	History Form Pre-Test	Follow-up Form Post-Test
DWI	.60	.10 (.04)
Speeding or Other Moving Traffic Violation	.21	.02 (.01)
Disorderly Conduct	.10	.02 (.00)
Assault or Battery	.08	.01 (.00)
Theft	.05	.01 (.00)
Vandalism	.02	.00 (.00)
Possession of Drug or Drug Paraphernalia	.19	.02 (.01)
Sale of Drugs	.02	.00 (.00)
Other	.14	.08 (.04)
Total	1.41	.26 (.10)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Jailed Overnight in Past 12 Months: Pre- and Post-test Results

There was a significant reduction in the percent of clients incarcerated overnight between the pre- and post-treatment measures. Before entering treatment, nearly two-thirds had been jailed overnight in the past year, but the incarceration rates declined to 15.9 percent and 6.8 percent for all completing treatment and those abstinent, respectively.

Jailed Overnight	History Form Percent Yes	Follow-up Form Percent Yes	Percent Improvement
Percent Jailed	60.2%	15.9% (6.8%)	73.6% (88.7%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

From Adult Discharge Form

Program Type

Data analysis in this section was done on all persons (n=7971) who had been discharged. A vast majority (70.4%) were involved in day or evening outpatient programs.

Type of Program	Number of Cases	Percent
Residential inpatient only	1105	13.9%
Evening outpatient only	3788	47.5%
Day outpatient only	1827	22.9%
Day hospital	514	6.4%
Combination: inpatient evening outpatient	128	1.6%
Combination: inpatient day outpatient	81	1.0%
Combination: inpatient day hospital	17	0.2%
Other	511	6.4%
Total	7971	

Discharge Status for All Referrals to Programs

Based on information on all clients who received services in treatment programs, most (81.2%) were in the 'Completed program' category. A few (7.4%) 'Left against staff advice' or were 'Discharged for noncompliance' (7.0%). The 'Completed program' category (n = 8231) is different from the 7971 reported on the previous page, because only those with completed information on all forms (Intake, History, and Discharge) and signed consent forms were used as part of the outcome (follow-up) study.

Discharge Status	Number of Cases	Percent
Evaluation only	67	0.7%
Completed program	8231	81.2%
Transferred to other program	343	3.4%
Left against staff advice	748	7.4%
Discharged for noncompliance	713	7.0%
Insufficient funding	5	0.0%
Other	24	0.2%

Chemical Use During Treatment

As would be expected, very few (8.4%) clients were known to be using chemicals during treatment.

Chemical Use	Number of Cases	Percent
No	6443	81.7%
Not sure	786	10.0%
Yes, as Inpatient	61	0.8%
Yes, as Outpatient	598	7.6%

Total	7888	

Family Program Participation

Few (28.9%) of the families of the clients were involved in the family programs.

Participation in Family Program	Number of Cases	Percent
No family or significant other	4068	52.5%
Patient refused	882	11.4%
Family/significant others refused	551	7.1%
Some involvement	2241	28.9%
Total	7742	

Who Participated in Family Program?

Of family members who did take part in the family programs, spouse/mate and parents were the most prevalent participants.

Attendance	Percent None	Percent Partial	Percent Full
Spouse/mate	56.8%	24.4%	18.8%
Parents	55.5%	24.1%	20.4%
Siblings	82.3%	10.6%	7.2%
Children	83.4%	10.0%	6.6%
Friends	88.9%	6.8%	4.3%

Post-Discharge Referrals

Alcoholics Anonymous, Program Aftercare, and Narcotics Anonymous were the most frequent referral sources. Since there were multiple referrals per client, the total percent equals more than 100 percent.

Referral Source	Number of Cases	Percent
Alcoholics Anonymous	6958	88.8%
Emotions Anonymous	14	0.2%
Cocaine Anonymous	22	0.3%
Narcotics Anonymous	2543	32.5%
Women for Sobriety	17	0.2%
AL-ANON	176	2.2%
Other Support Group	535	6.9%
Program Aftercare	5914	75.5%
Individual Therapy/Counseling	873	11.2%
Family Therapy/Counseling	279	3.6%
Halfway House	454	5.8%
Other CD Program	535	6.8%
Other	623	8.0%

Predictors of Success

Based on the statistical analysis of the information on 2051 clients who were surveyed with a follow-up instrument, the following factors were found to be predictive of success (i.e., did not use substances during follow-up period).

Follow-up Form

- ◆ Persons working fulltime were more likely to remain substance free than were those not working fulltime. Also, clients who were substance free during follow-up had fewer days absent from work.
- ♦ Clients who were substance free had fewer problems with: the boss or supervisor, getting the job done, making mistakes at work, missing work, being late or getting injured on the job.
- ♦ Based on marital status at follow-up, persons never married were more likely to have used substances than were married persons.
- ♦ Clients who attended AA or NA were much more likely to remain substance free than were those who stopped attending.
- ♦ Persons who attended aftercare were much more likely to remain substance free than were those who stopped attending.
- ♦ Clients who were substance free had fewer problems during the follow-up period with boredom, stress, and loneliness.
- ♦ Person using substances were more likely to have had periods of 2 weeks or more, since completing treatment, in which they felt depressed.
- ♦ Clients using substances were more likely to be around others using alcohol or drugs, have cravings for alcohol and/or drugs, and use tobacco products.

- ♦ Clients who were substance free were much less likely to be arrested or incarcerated.
- ♦ Clients who were substance free were less likely to be hospitalized.
- ♦ Clients who rated the treatment programs highly were much more likely to be substance free.
- ♦ Clients who were substance free had fewer problems with marital or 'significant other' relationships, family problems, and financial problems during the follow-up period.

History Form

- ♦ Clients who lived with parents, spouses, and children were more likely to be substance free during the follow-up period than were those living alone, with roommates, or homeless.
- ♦ There was a 58.7 percent improvement in homeless rate between 12 months before treatment and 12 months post treatment.
- ♦ Clients who had frequent visits to hospitals and ER's the <u>year preceding treatment</u> were more likely to use substances than were those with fewer visits.
- ♦ Clients who were unemployed at time of entry into treatment were less likely to be substance free during the follow-up period.
- ♦ Those who lived in a city before entering treatment were more likely to use substances than were those from rural areas.
- ♦ Those who had experienced withdrawal symptoms before treatment were more likely to use substances during follow-up than were those not previously experiencing withdrawal symptoms.
- ♦ Clients who had been treated for depression before treatment were more likely to use substances during follow-up than were those who had not been treated for depression.

- ♦ Clients who reported suicide attempts on the History Form were more likely to use substances during followup than were those not reporting suicide attempts.
- ♦ Clients having the shakes after cutting down were more likely to use substances during follow-up than were those not experiencing shakes.
- ♦ Clients who reported on the History Form that they had used so much that the next day they could not remember what they said or did because of alcohol or drug use were more likely to use substances during follow-up.
- ♦ Clients who had been on binges and stayed high for two or more days were more likely to use substances during follow-up than those who did not report binges for two or more days.
- ♦ Clients using drugs or alcohol to relieve a hangover were more likely to use substances during follow-up.
- ♦ Clients needing drugs or alcohol just to keep going were more likely to use substances during follow-up than were those not needing substances to keep going.
- ♦ Clients who had missed work in the year previous to treatment programs because of substance use were more likely to use alcohol or drugs during follow-up than were those not missing work.
- ♦ Clients who had neglected their children because of alcohol or drugs were more likely to use substances during follow-up.
- ♦ Clients who had hit others or become violent while on substances were more likely to use alcohol or drugs during follow-up than were those who did not commit violent acts.
- ♦ Clients who reported receiving medical treatment for injuries incurred while using alcohol or drugs were more likely to use substances during follow-up than were those with no such incidences.
- ♦ Clients who reported vandalizing or destroying property before age 15 were more likely to use substances during follow-up than were those with no

such incidences.

♦ Clients who had reported doing anything unusual, totally out of character, while drinking or using drugs, were more likely to use substances.

Ratings of Program by Participants

The clients were asked a series of four agree/disagree questions concerning the treatment program that they completed. In general the clients had very high ratings of the treatment programs.

A strong (85.8%) majority of the all clients completing the follow-up interview agreed that it was a good program. As would be expected, those who were substance free rated the program higher (90.2% agreed the program was good).

It was a good program.	Number of Responses	Percent
Strongly Agree	1327 (695)	62.5% (69.8%)
Agree	495 (203)	23.3% (20.4%)
Not Sure	213 (79)	10.0% (7.9%)
Disagree	42 (11)	2.0% (1.1%)
Strongly Disagree	46 (8)	2.2% (0.8%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Most (87.6%) clients completing the follow-up form agreed that the counselors were helpful. Survey participants who were substance free rated the program higher (91.0% felt that the counselors were helpful).

The Counselors were helpful.	Number of Responses	Percent
Strongly Agree	1467 (748)	69.4% (75.2%)
Agree	384 (157)	18.2% (15.8%)
Not Sure	172 (59)	8.1% (5.9%)
Disagree	35 (17)	1.7% (1.7%)
Strongly Disagree	56 (14)	2.6% (1.4%)

The number in parentheses () refers to persons who were

abstinent during the follow-up period.

A majority (84.3%) of those completing the follow-up survey felt they 'learned much' in the treatment program. The substance free clients rated this question higher with 90.5 percent agreeing with the statement.

I learned much.	Number of Responses	Percent
Strongly Agree	1358 (721)	64.1% (72.4%)
Agree	427 (180)	20.2% (18.1%)
Not Sure	206 (56)	9.7% (5.6%)
Disagree	66 (27)	3.1% (2.7%)
Strongly Disagree	60 (12)	2.8% (1.2%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

Most (86.2%) of the clients indicated that they would recommend the program to other people, while some (7.5%) were not sure. The substance free clients rated the program higher with 91.1% indicating that they would recommend the program to other people.

I would recommend the program to other people.	Number of Responses	Percent
Strongly Agree	1433 (756)	67.9% (75.8%)
Agree	386 (152)	18.3% (15.3%)
Not Sure	159 (50)	7.5% (5.0%)
Disagree	58 (20)	2.8% (2.0%)
Strongly Disagree	76 (19)	3.6% (1.9%)

The number in parentheses () refers to persons who were abstinent during the follow-up period.

OPEN-ENDED QUESTIONS

These comments were taken from those completing the follow-up form that was administered 12 month post-treatment. To date, 2051 persons have completed the follow-up survey, but the responses listed below are for 343 persons who were surveyed in the past year.

What did you like best about the Alcohol and Drug Treatment Program?

Liked Best for those Surveyed in the Past Year

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-Counselors (60 responses)
-Talking (12 responses)
-Group (12 responses)
-Information (12 responses)
-Environment (11 responses)
-One-on-one sessions (9 responses)
-It was a good program (8 responses)
-Nothing (8 responses)
-People in the program (8 responses)
-All of it (7 responses)
-Group sessions (7 responses)
-It helped me (7 responses)
-Learned a lot (7 responses)
-Openness (6 responses)
-People really cared (6 responses)
-Everything (5 responses)
-Spirituality (5 responses)
-Small group (5 responses)
-Tools (5 responses)
-Being with people with similar problems (4 responses)
-Hearing other peoples' stories (4 responses)
-Knowledge (4 responses)
-Staff (4 responses)
-When it was over/Being done (4 responses)
-Camaraderie (3 responses)
-Group atmosphere (3 responses)
-Structure (3 responses)
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OPEN-ENDED QUESTIONS

What, if anything, about the program do you think needs to be changed?

Changes for those Surveyed in the Past Year

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-Nothing (188 responses)
-Don't know (10 responses)
-Counselors (better, more compassionate, ex-addicts) (8
   responses)
-More structured setting (7 responses)
-Presentation (don't force, mundane) (7 responses)
-More one on ones (6 responses)
-Separate alcohol from drugs (5 responses)
-Separate those who don't want to be there (4 responses)
-Better food/drinks (4 responses)
-Better facilities (3 responses)
-More freedom (3 responses)
-Separate programs for men and women (3 responses)
-Smaller groups (3 responses)
-Update videos (3 responses)
-Easier to get in/cheaper (2 responses)
-Group discussions (2 responses)
-Have groups more often (2 responses)
-Healthier food (2 responses)
-Hours (time) (2 responses)
-Keep same counselors throughout program (2 responses)
-Less work/bookwork (2 responses)
-Longer (2 responses)
-Separate groups into different ages (2 responses)
-Shorter (2 responses)
-Update info (2 responses)
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